

WHAT IS CLAIMED IS:

1. A socket liner for receiving a limb of an amputee, comprising:
a liner adapted to receive a limb of an amputee; and
one or more sensors provided in the liner, the sensors being adapted to monitor data received therein.
2. The socket of Claim 1, wherein the sensors are pressure sensors.
3. The socket of Claim 1, wherein the sensors are oxygen sensors.
4. The socket of Claim 1, wherein the sensors comprise both pressure sensors and oxygen sensors.
5. The socket of Claim 1, wherein the liner includes a plurality of grooves for receiving the sensors.
6. The socket of Claim 1, wherein the liner includes a plurality of pockets for receiving the sensors.
7. The socket of Claim 1, wherein the sensors are strips provided along a surface of the liner.
8. The socket of Claim 1, wherein the liner is made from two parts adhered together.
9. The sensor of Claim 7, wherein one sensor wraps around a bottom of the inner layer.
10. A liner for receiving a limb of an amputee comprising:
an inner layer and an outer layer;
the inner layer comprising at least one channel;
at least one sensor provided in the at least one channel used to monitor physiological characteristics of the limb; and
the outer layer configured to cover the inner layer.
11. The liner of Claim 10 wherein the channel is a pocket.
12. The liner of Claim 10 wherein the sensor is an oxygen sensor.
13. The liner of Claim 10 wherein the sensor is a pressure sensor.
14. The liner of Claim 10 wherein the sensor is a strip.

15. The liner of Claim 14, wherein the sensor wraps around a bottom of the inner layer.
16. A socket liner for receiving a limb of an amputee comprising:
a liner for holding a physiological sensor;
a physiological sensor configured to receive data from a limb regarding its physiological characteristics;
the sensor being in communication with a transmitter;
the transmitter configured to send data to a receiver to allow an end user to analyze the physiological characteristics of the limb.
17. The socket of Claim 16 wherein:
the liner has an inner and an outer layer;
the inner layer is configured to hold the sensor; and
the outer layer serves to provide an interface between the inner layer and the socket.
18. The socket of Claim 17, wherein the sensor wraps around a bottom of the inner layer.
19. A garment for receiving a limb of an amputee comprising:
a receiving portion adapted to receive the limb and to hold a plurality of sensors;
the sensors adapted to receive physiological data from the limb;
the garment configured to transmit the physiological data to an end user to monitor the health of the limb.
20. A method for monitoring the physiological characteristics of a limb comprising:
providing a liner having at least one physiological sensor therein; and
monitoring physiological characteristics of the limb using data accumulated from the sensor.